

CERTIFICATE OF ANALYSIS

Service Location PACE ANALYTICAL SERVICES, INC. 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received 17-SEP-14	Lab ID AA27755
	Completed 19-SEP-14	PO Number CREDIT CARD
	Printed 22-SEP-14	Sampled 17-SEP-14 09:35

Report To JASON HATFIELD WASTE MANAGEMENT, INC 3333 NORTH FRANKLIN ROAD INDIANAPOLIS, IN 46226	Bill To WASTE MANAGEMENT 1150 SOUTHEASTERN AVENUE INDIANAPOLIS, IN 46202
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Sample Description CLIENT ID: LIQUID COMPACTOR MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT SUBMITTER: 10775 - WASTE MANAGEMENT, INC - INDIANAPOLIS DATA PACKAGE #: N/A DESCRIPTION: BULK LIQUID FROM A COMPACTOR

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. DAHN	Analysis Date: 17-SEP-14	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082A			NELAC:Y
Analyst: T. WATSON	Analysis Date: 17-SEP-14 14:09	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.10	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	2.4	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	34.0		% Rec
Matrix interference may mask low level analytes.			

Sample Comments BDL Below Detection Limit Sample was received on ice at temperature 14.2 C.
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Sample Comments

Sample chain of custody number 19271.

This Certificate shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested or to the sample as received by the lab. Pace Analytical Services, INC. certifies that the test results indicated as NELAP (National Environmental Laboratory Accreditation Program) accredited (Yes for NELAP) meet all requirements of NELAP and Kansas (KDHE) unless otherwise explained or justified as to the the exact nature of the deviations.

KS ELAP / NELAP Accreditation # E-10177 Indiana SDWA C-49-01



Approved by: CHRISTOPHER BOYLE 22-SEP-14

Sample Receiving Check Sheet

COC ID: *27128/77*

	Sulfuric plastic <2	Sulfuric Diss Plastic<2	Sulfuric glass <2	Nitric plastic <2	Nitric Diss Plastic <2	NaOH/ZnAOC <12	NaOH plastic >12	preservative added?	pH after addition	Residual C12 present Y/N	Headspace >1/4"	Sample is UNP or other than aqueous	HCL Preserved Containers*	Comments
Line 1 on COC														
Line 2 on COC												X		
Line 3 on COC														
Line 4 on COC														
Line 5 on COC														
Line 6 on COC														
Line 7 on COC														
Line 8 on COC														
Line 9 on COC														
Line 10 on COC														
Line 11 on COC														
Line 12 on COC														
Line 13 on COC														
Line 14 on COC														
Line 15 on COC														
Line 16 on COC														
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Line 18 on COC														
Line 19 on COC														
Line 20 on COC														
Line 21 on COC														
Line 22 on COC														
Line 23 on COC														
Line 24 on COC														
Line 25 on COC														

Aqueous samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container then record the pH in the box. If approved by the project chemist then add acid or base to the sample to achieve the correct pH. Add up to two times the volume initially added to the sample container. Record pH after the addition of this preservative.

Preservative sizes for addition:
 120ml NaOH 1 mL
 500ml H2SO4 2 mL
 1000ml H2SO4 4 mL
 500ml HNO3 2 mL
 1000ml HNO3 4 mL

☒ POP Off ☐ FedEx ☐ UPS ☐ Courier

Tracking # _____

Checked by *[Signature]*

*pH of HCL preserved containers checked by analysts

Comments: _____